



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-3406 FAX (603) 271-7894



April 25, 2003
Letter of Deficiency
DSP #03-035

Mr. Keith Damon
Damon Realty Co., Inc
73 Eastern Avenue
Keene, NH 03431

RE: Damon Mill Pond Dam #203.01, Rindge

Dear Mr. Damon:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that play a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on October 29, 2002. During this visual inspection and/or file review, the following deficiencies were observed:

- There was a low area on the crest of the dam located between the penstock and stoplog bays;
2. The upstream face of the earth embankment is uneven and eroded, likely due to wave action;
 3. There are trees and brush on the downstream face of the entire dam and within 15 feet of the toe of the slope;
 4. The old building foundation was full of debris and trees preventing proper inspection of the toe of the dam in that location;
 5. There are no as-built plans on file for the dam and emergency spillway. Because the inverts and dimensions of the outlet structures are unknown, it is unclear if there is adequate discharge capacity to pass the design event with a minimum of 1 foot of freeboard;
 6. There is no operations and maintenance plan (O&M) on file with DES; and
 7. The Emergency Action Plan (EAP) has not been tested and updated.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

September 1, 2003:

1. Remove all the debris, trees and brush from the old mill building location to allow proper inspection of the downstream area of the dam;
2. Survey the area between the penstock and stoplog bays and raise the embankment as necessary to maintain a constant crest elevation

3. Remove all trees and brush on the downstream face of the dam and remove them for a distance of 15 feet from the toe of the dam;
4. Repair the eroded/uneven upstream face of the entire length of the dam
5. Prepare and submit as-built plans of the outlet structures. The plans should include stoplog bay widths, heights, inverts, as well as the invert and dimensions of the emergency spillway;
6. Prepare and submit to the DES a written O&M plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel. Refer to the enclosed guidelines; and
7. Test and update the EAP. Contact Bethann McCarthy prior to conducting the test

Due to the time that has lapsed as well as additional deficiencies observed as a result of the October 29, 2002 inspection, DES will be officially closing out the 1997 LOD. Enclosed is a copy for your reference. It is our hope that the additional deficiencies as well as the outstanding deficiencies will be addressed within the schedule indicated above. Your dam is classified as a significant hazard "B" dam DES cannot impress enough the importance of addressing all of the deficiencies.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. Please call or write to our office if the repairs are completed ahead of the aforementioned schedule so that DES may schedule a follow-up inspection. Unless notified otherwise, DES will conduct the follow-up inspection on or after the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. Please call or write to our office if the repairs are completed before the aforementioned schedule. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

COPY

Jeffrey M. Blaney
Dam Safety Engineer

Attachments Guideline for an O&M plan, Copy of 1997 LOD, DB8, DB13

cc: Gretchen Rule ✓

Town of Rindge

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